

What is claimed is:

1. An organic EL element drive circuit including a current mirror circuit having an input side transistor supplied with a predetermined drive current and a plurality of output side parallel transistors, from which drive currents or currents, from which the drive currents are derived, to be supplied to terminal pins of an organic EL panel are derived, comprising:

a current output circuit for generating a current having a first value in response to an output current of one of said output side transistors; and

a current generator circuit for generating said predetermined drive current in response to a current having a second value outputted by another organic EL element drive circuit preceding to said organic EL element drive circuit and having a current output circuit and a current mirror circuit substantially the same as said current output circuit and said current mirror circuit of said organic EL element drive circuit, the current having the second value being outputted from said current output circuit of said another organic EL element drive circuit.

2. An organic EL element drive circuit as claimed in claim 1, wherein said current output circuit of said another organic EL element drive circuit generates the current having the second value corresponding to the current having the first value in response to an output current of one of output side transistors of said current mirror circuit of said another organic EL element drive circuit and said current generator

circuit generates the predetermined drive current in response to the current of the second value and a portion or a whole portion of the current having the first value from said current output circuit of said organic EL element drive circuit such that the first current value becomes substantially the same as the second current value.

3. An organic EL element drive circuit as claimed in claim 2, wherein said current generator circuit includes a reference current generator circuit for generating the predetermined drive current as a predetermined reference current and said output side transistors of said current mirror circuit generate drive currents and distributes the drive currents to said terminal pins of said organic EL panel.

4. An organic EL element drive circuit as claimed in claim 3, wherein said reference current generator circuit includes a first resistor for converting a portion or a whole portion of the first value of the current from said current output circuit into a voltage value, a second resistor for converting the current having the second value into a voltage value and an amplifier for generating a current in response to a difference between the voltages from said first and second resistors, as the predetermined reference current, with which the voltages of the first and second resistors become equal.

5. An organic EL element drive circuit as claimed in claim 4, wherein said first and second resistors are integrated as paired resistors having substantially

identical resistance values.

6. An organic EL element drive circuit as claimed in claim 1, wherein said current output circuit generates the current having the first value in response to an output current of a certain output side transistor connected in parallel to said output side transistors of said current mirror circuit.

7. An organic EL element drive circuit as claimed in claim 1, wherein said organic EL element drive circuit and said another organic EL element drive circuit are integrated as different ICs.

8. An organic EL element drive circuit as claimed in claim 2, wherein said current output circuits of said organic EL element drive circuit and said another organic EL element drive circuit are supplied with the output currents of said output side transistors of said current mirror circuit of said organic EL element drive circuit and said another organic EL element drive circuit or output currents of output side transistors connected in parallel to said output side transistors of said current mirror circuit of said organic EL element drive circuit and said organic EL element drive circuit, respectively.

9. An organic EL display device comprising:

an organic EL display panel;  
a current mirror circuit having an input side transistor supplied with a predetermined drive current and a plurality of output side parallel transistors, from which drive currents or currents, from which the drive currents are derived, to be supplied to terminal

pins of an organic EL panel are derived;

a current output circuit for generating a current having a first value in response to an output current of one of said output side transistors; and

a current generator circuit for generating said predetermined drive current in response to a current having a second value outputted by another organic EL element drive circuit preceding to said organic EL element drive circuit and having a current output circuit and a current mirror circuit substantially the same as said current output circuit and said current mirror circuit of said organic EL element drive circuit, the current having the second value being outputted from said current output circuit of said another organic EL element drive circuit.

10. An organic EL display device as claimed in claim 9, wherein said current output circuit of said another organic EL element drive circuit generates the current having the second value corresponding to the current having the first value in response to an output current of one of output side transistors of said current mirror circuit of said another organic EL element drive circuit and said current generator circuit generates the predetermined drive current in response to the current of the second value and a portion or a whole portion of the current having the first value from said current output circuit of said organic EL element drive circuit such that the first current value becomes substantially the same as the second current value.

11. An organic EL display device as claimed in claim 10,

wherein said current generator circuit includes a reference current generator circuit for generating the predetermined drive current as a predetermined reference current and said output side transistors of said current mirror circuit generate drive currents and distributes the drive currents to said terminal pins of said organic EL panel.

12. An organic EL display device as claimed in claim 10, wherein said reference current generator circuit includes a first resistor for converting a portion or a whole portion of the first value of the current from said current output circuit into a voltage value, a second resistor for converting the current having the second value into a voltage value and an amplifier for generating a current in response to a difference between the voltages from said first and second resistors, as the predetermined reference current, with which the voltages of the first and second resistors become equal.

13. An organic EL display device as claimed in claim 9, wherein said current output circuit generates the current having the first value in response to an output current of a certain output side transistor connected in parallel to said output side transistors of said current mirror circuit.

14. An organic EL display device as claimed in claim 9, wherein said organic EL element drive circuit and said another organic EL element drive circuit are integrated as different ICs.

15. An organic EL display device as claimed in claim 10, wherein said current output circuits of said organic EL

element drive circuit and said another organic EL element drive circuit are supplied with the output currents of said output side transistors of said current mirror circuit of said organic EL element drive circuit and said another organic EL element drive circuit or output currents of output side transistors connected in parallel to said output side transistors of said current mirror circuit of said organic EL element drive circuit and said organic EL element drive circuit, respectively.